



[11] Patent Number: 5,551,160

[45] **Date of Patent:** Sep. 3, 1996

FOREIGN PATENT DOCUMENTS

- | | | | |
|---------|--------|----------------------|-----------|
| 2678725 | 1/1993 | France | 33/427 |
| 161585 | 5/1933 | Switzerland | 33/DIG. 9 |
| 2167015 | 5/1986 | United Kingdom | 33/427 |

Primary Examiner—Thomas B. Will
Attorney, Agent, or Firm—Kolisch, Hartwell, Dickinson,
McCormack & Heuser

- [57]
- ABSTRACT**

- A crop, measure and scale system and a measure and scale system are provided for use in preparing an original image for processing. The crop, measure, and scale system includes first and second corner members which define an infinitely adjustable image frame. Each corner member includes a pair of diverging arms, one arm being characterized as an abscissa arm and the other as an ordinate arm, each of which includes an internally facing edge. A calculating measure is mounted on one of the corner members, such calculating measure including a slide rule with a ruler which extends between opposite edges of the cropped image, and a slide which provides for calculation of a reduction/enlargement percentage based on a predetermined desired dimensional change. The measure and scale system includes the calculating measure described above joined to an elongate member.

- [51] Int. Cl.⁶ B43L 7/10
[52] U.S. Cl. 33/452; 33/464; 33/DIG. 9
[58] Field of Search 33/DIG. 9, 1 F,
33/1 B, 1 K, 1 SB, 1 SD, 427, 428, 452,
464, 487

[56] **References Cited**

U.S. PATENT DOCUMENTS

990,385	4/1911	Pierce	33/1 SB
1,116,888	11/1914	Heyn	33/DIG. 9
1,976,278	10/1934	Cook	33/427
2,300,401	11/1942	Basler et al.	33/DIG. 9
2,403,614	7/1946	Ross	33/DIG. 9
2,626,467	1/1953	Abbott	33/427
3,878,615	4/1975	Peterson	33/DIG. 9
4,270,173	5/1981	Suttler	364/564
4,417,399	11/1983	Baliozian	33/DIG. 9
4,633,591	1/1987	Pikora	33/DIG. 9

9 Claims, 4 Drawing Sheets

